

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
 Data File : VL039716.D
 Acq On : 11 Oct 2022 11:23
 Operator : SY/AP
 Sample : N4955-15 MDL 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Oct 12 04:39:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

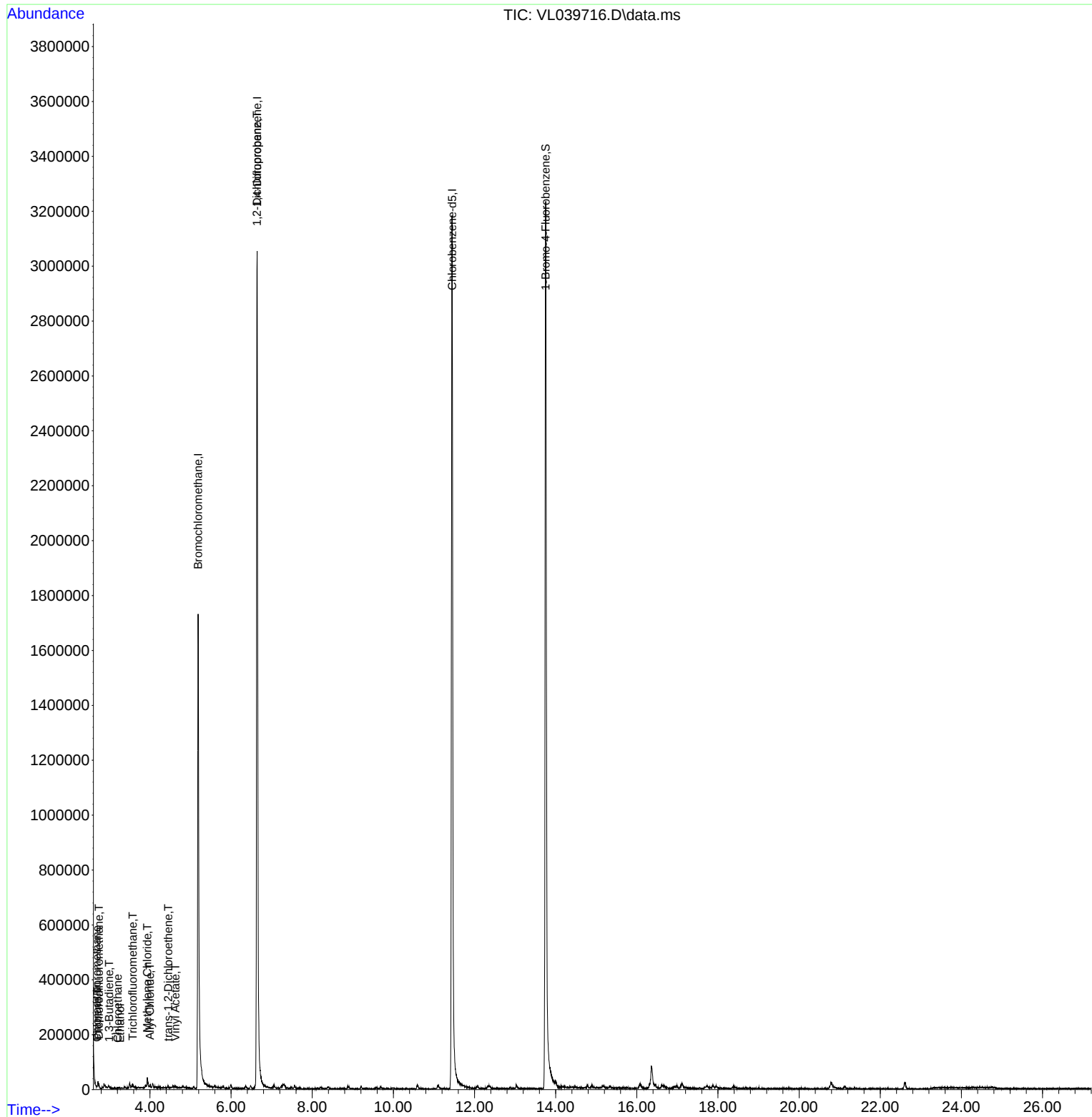
Internal Standards						
1) Bromochloromethane	5.188	49	932738	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.642	114	2437545	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.445	117	2133068	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1578959	9.916	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	5430	0.050	ppbv #	77
3) Chlorodifluoromethane	2.687	51	6199	0.056	ppbv #	91
7) Chloroethane	3.205	64	759	0.037	ppbv	100
9) Propene	2.703	41	2263	0.045	ppbv #	15
11) Trichlorofluoromethane	3.574	101	6371	0.048	ppbv #	55
13) Ethanol	3.262	45	583	0.151	ppbv #	23
16) 1,3-Butadiene	2.999	39	2672	0.051	ppbv #	10
20) Methylene Chloride	3.934	84	5621	0.117	ppbv #	84
21) Allyl Chloride	4.002	41	2973	0.042	ppbv #	79
22) trans-1,2-Dichloroethene	4.452	96	1635	0.037	ppbv #	74
23) Vinyl Acetate	4.626	43	1659	0.035	ppbv #	1
39) 1,2-Dichloropropane	6.639	63	586575	8.151	ppbv #	25

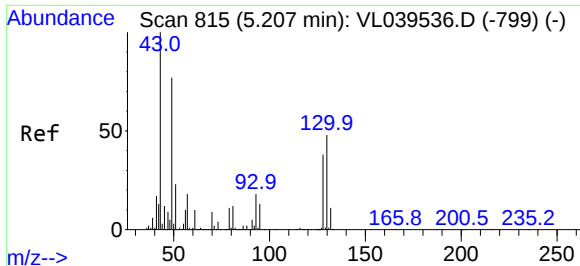
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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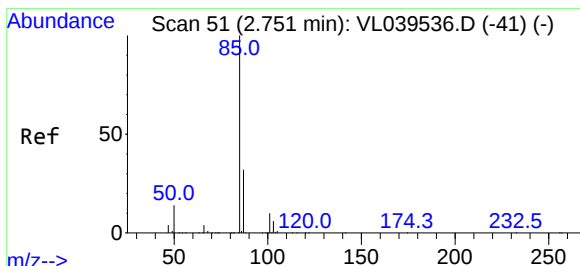
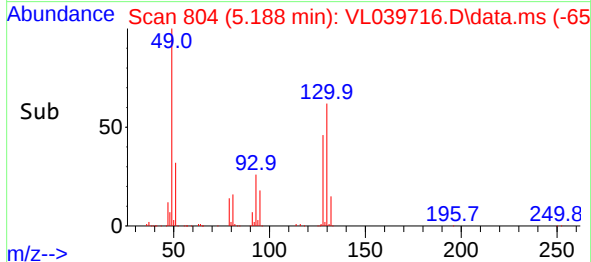
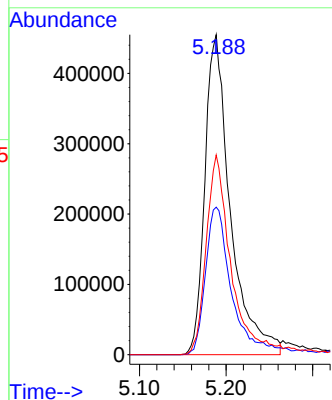
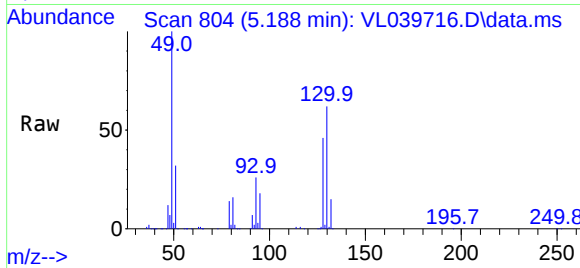




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 80
Delta R.T. -0.019 min
Lab File: VL039716.D
Acq: 11 Oct 2022 11:23

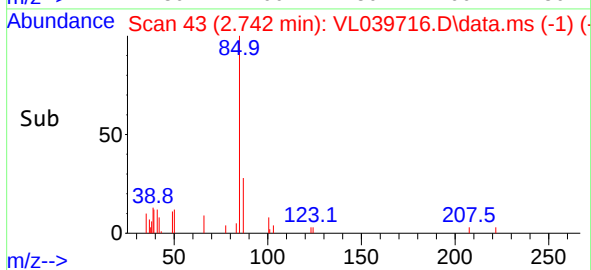
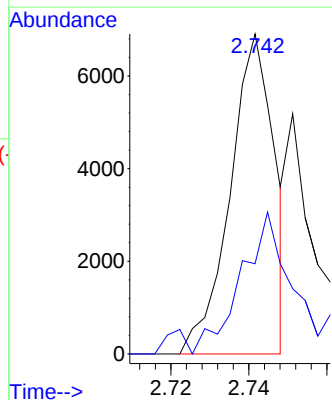
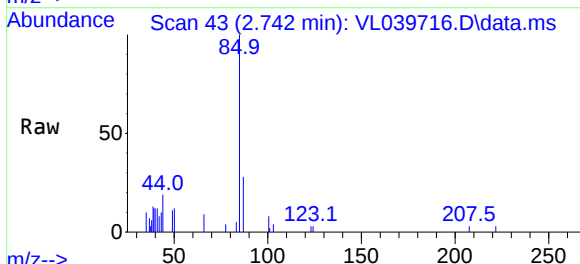
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

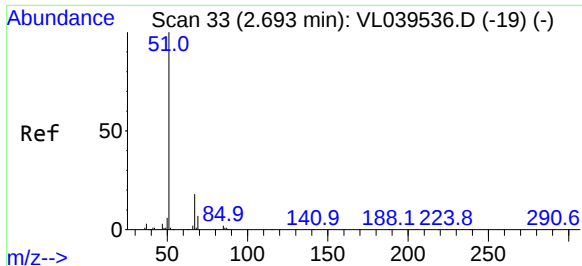
Tgt Ion: 49 Resp: 932738
Ion Ratio Lower Upper
49 100
128 49.8 26.7 80.0
130 63.1 34.3 102.8



#2
Dichlorodifluoromethane
Concen: 0.050 ppbv
RT: 2.742 min Scan# 43
Delta R.T. -0.009 min
Lab File: VL039716.D
Acq: 11 Oct 2022 11:23

Tgt Ion: 85 Resp: 5430
Ion Ratio Lower Upper
85 100
87 20.5 26.7 40.1#

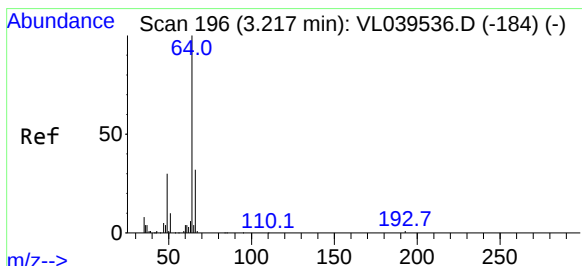
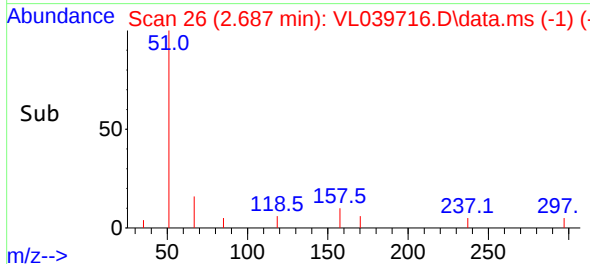
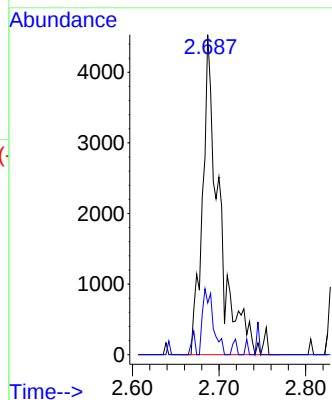
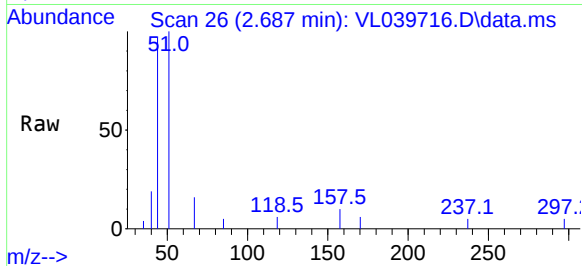




#3
Chlorodifluoromethane
Concen: 0.056 ppbv
RT: 2.687 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL039716.D
Acq: 11 Oct 2022 11:23

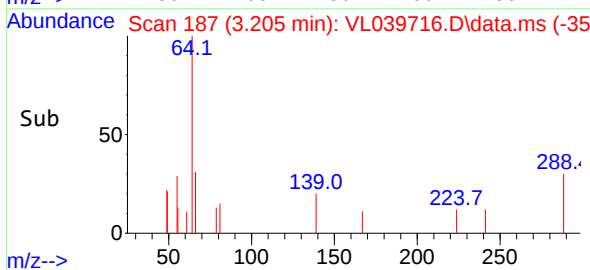
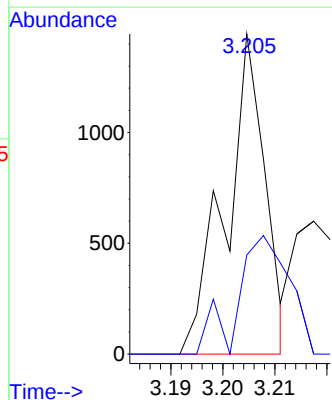
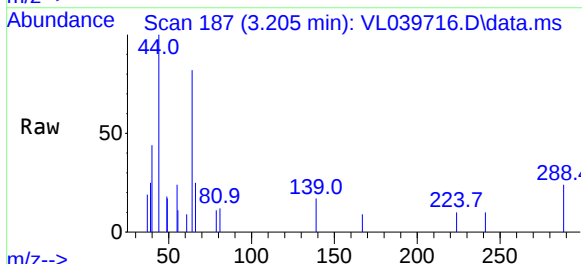
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

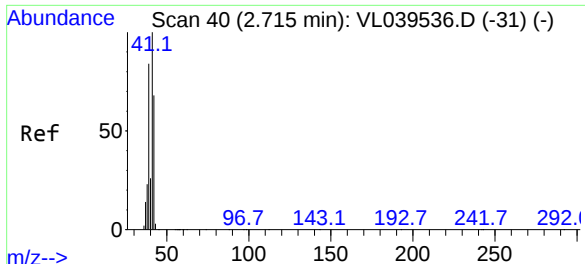
Tgt Ion: 51 Resp: 6199
Ion Ratio Lower Upper
51 100
67 15.6 15.7 23.5#



#7
Chloroethane
Concen: 0.037 ppbv
RT: 3.205 min Scan# 187
Delta R.T. -0.012 min
Lab File: VL039716.D
Acq: 11 Oct 2022 11:23

Tgt Ion: 64 Resp: 759
Ion Ratio Lower Upper
64 100
66 30.9 24.7 37.1

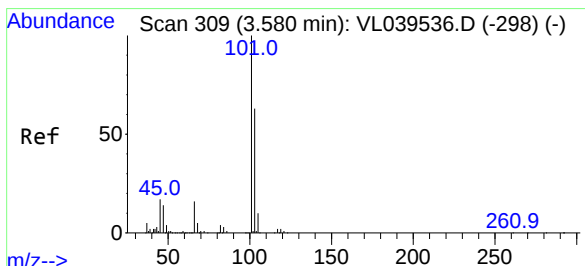
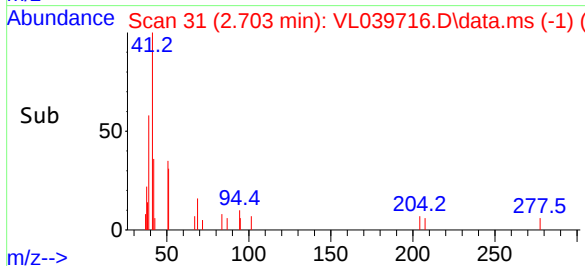
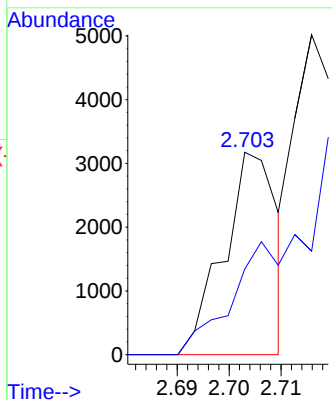
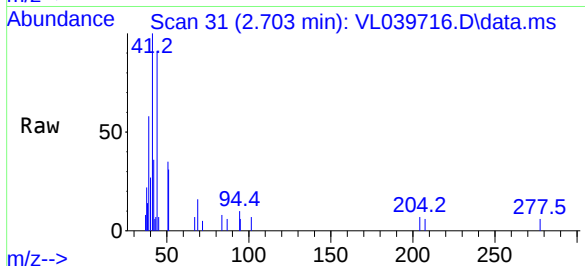




#9
 Propene
 Concen: 0.045 ppbv
 RT: 2.703 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: VL039716.D
 Acq: 11 Oct 2022 11:23

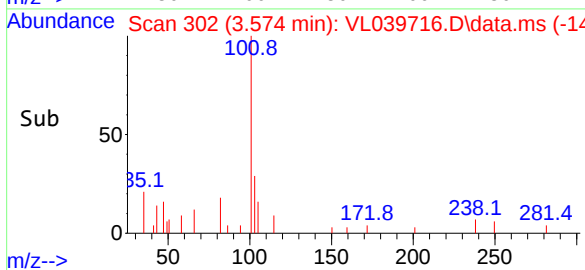
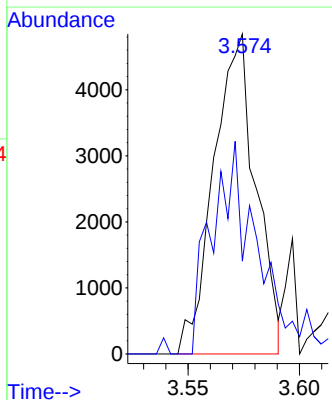
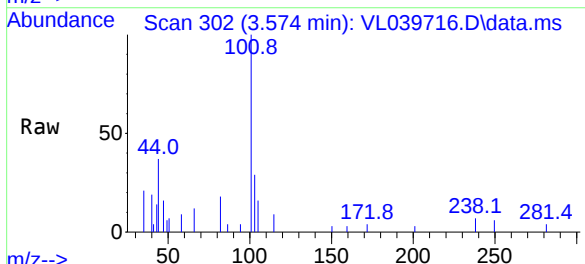
Instrument :
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 ClientSampleId :
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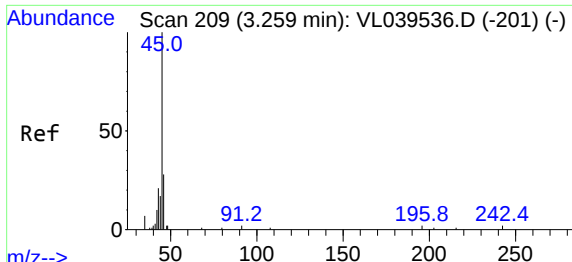
Tgt Ion: 41 Resp: 2263
 Ion Ratio Lower Upper
 41 100
 42 0.0 55.2 82.8#



#11
 Trichlorofluoromethane
 Concen: 0.048 ppbv
 RT: 3.574 min Scan# 302
 Delta R.T. -0.006 min
 Lab File: VL039716.D
 Acq: 11 Oct 2022 11:23

Tgt Ion: 101 Resp: 6371
 Ion Ratio Lower Upper
 101 100
 103 29.0 51.8 77.8#

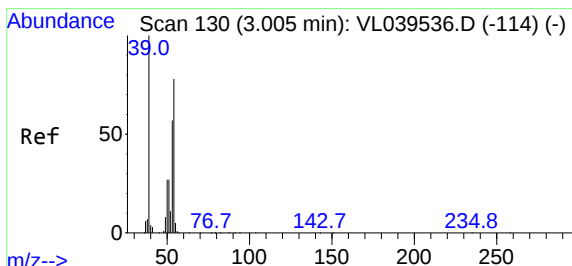
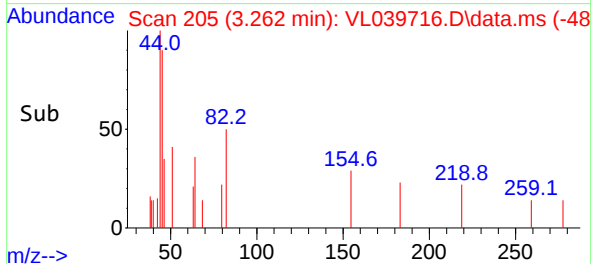
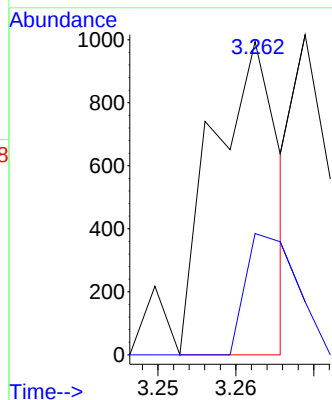
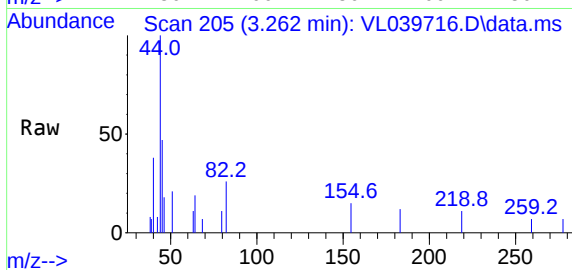




#13
Ethanol
Concen: 0.151 ppbv
RT: 3.262 min Scan# 20
Delta R.T. 0.004 min
Lab File: VL039716.D
Acq: 11 Oct 2022 11:23

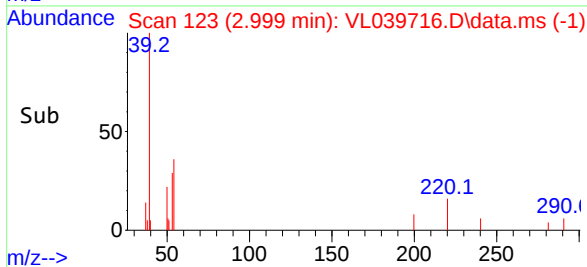
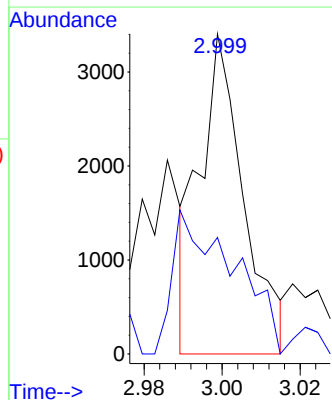
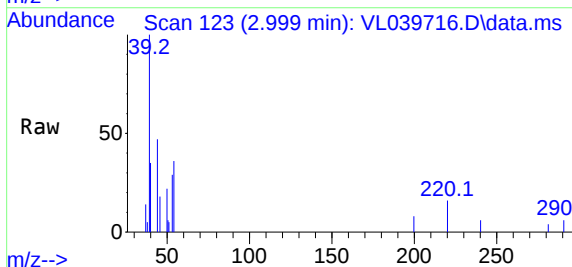
Instrument :
MSVOA_L
ClientSampleId :
VSTDC0010EC

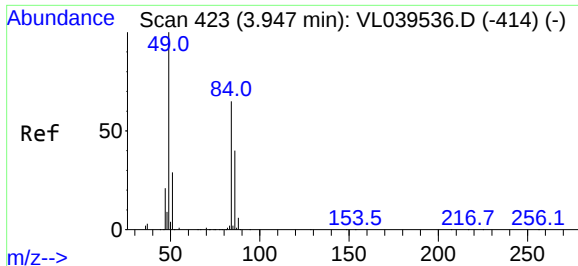
Tgt Ion: 45 Resp: 583
Ion Ratio Lower Upper
45 100
46 0.0 22.8 91.2#



#16
1,3-Butadiene
Concen: 0.051 ppbv
RT: 2.999 min Scan# 123
Delta R.T. -0.006 min
Lab File: VL039716.D
Acq: 11 Oct 2022 11:23

Tgt Ion: 39 Resp: 2672
Ion Ratio Lower Upper
39 100
54 0.0 63.7 95.5#



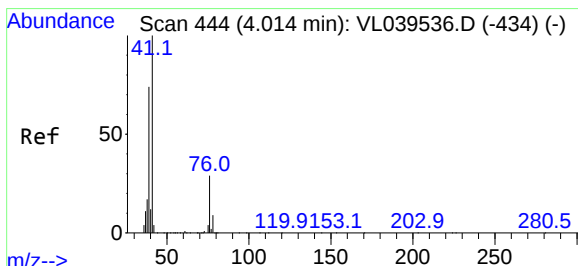
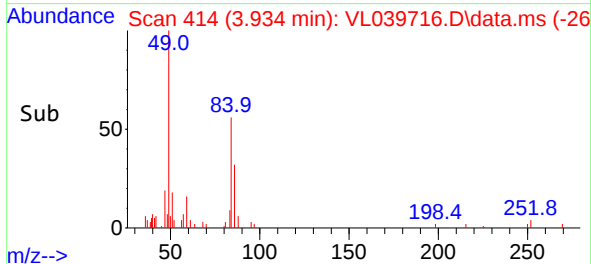
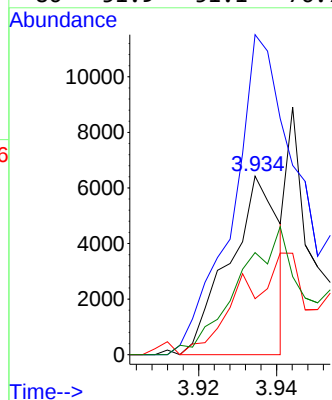
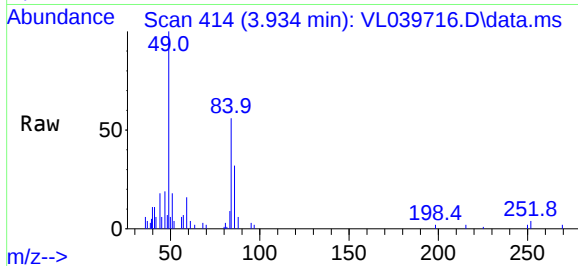


#20
Methylene Chloride
Concen: 0.117 ppbv
RT: 3.934 min Scan# 411
Delta R.T. -0.012 min
Lab File: VL039716.D
Acq: 11 Oct 2022 11:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 84 Resp: 5621

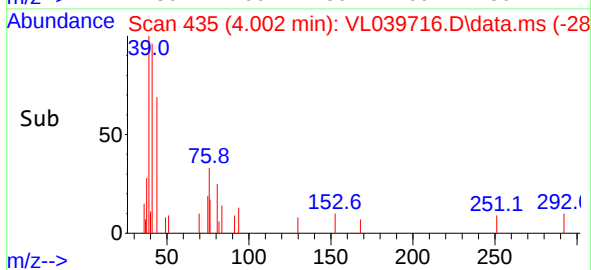
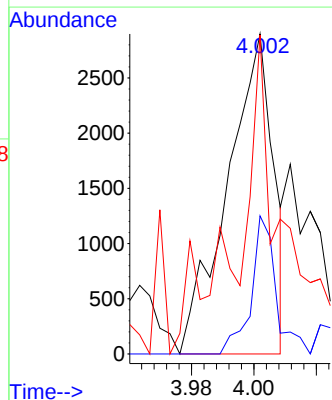
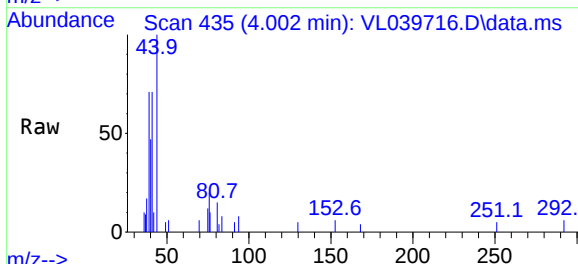
Ion	Ratio	Lower	Upper
84	100		
49	174.0	123.1	184.7
51	31.4	34.4	51.6#
86	51.9	51.1	76.7

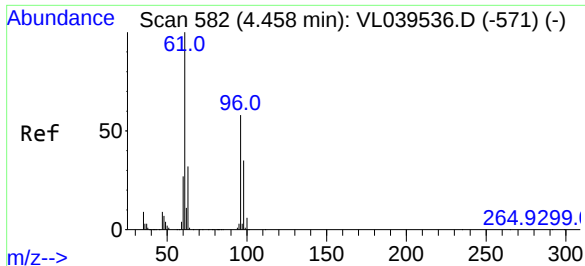


#21
Allyl Chloride
Concen: 0.042 ppbv
RT: 4.002 min Scan# 435
Delta R.T. -0.012 min
Lab File: VL039716.D
Acq: 11 Oct 2022 11:23

Tgt Ion: 41 Resp: 2973

Ion	Ratio	Lower	Upper
41	100		
76	30.6	24.4	36.6
39	105.0	63.5	95.3#

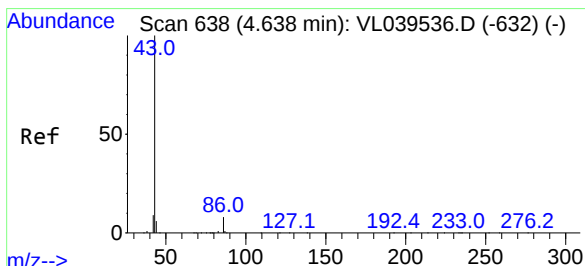
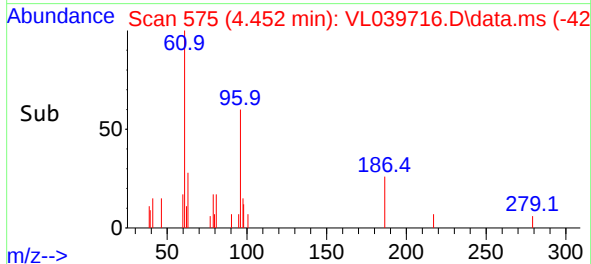
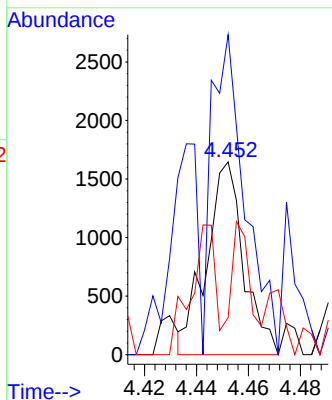
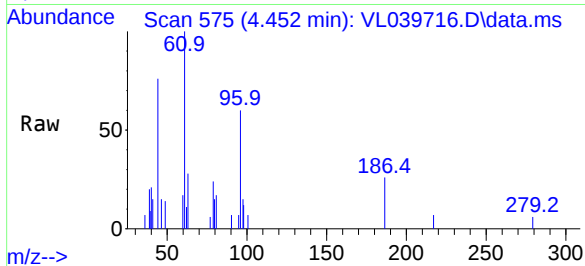




#22
trans-1,2-Dichloroethene
Concen: 0.037 ppbv
RT: 4.452 min Scan# 51
Delta R.T. -0.006 min
Lab File: VL039716.D
Acq: 11 Oct 2022 11:23

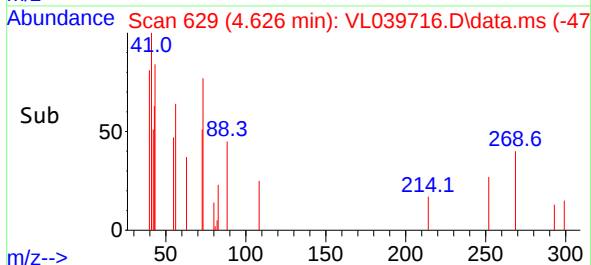
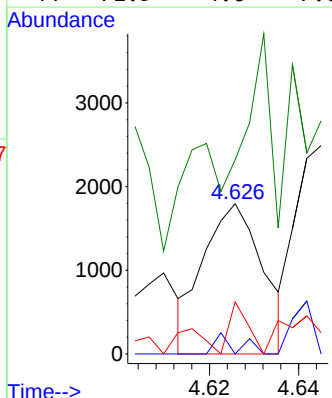
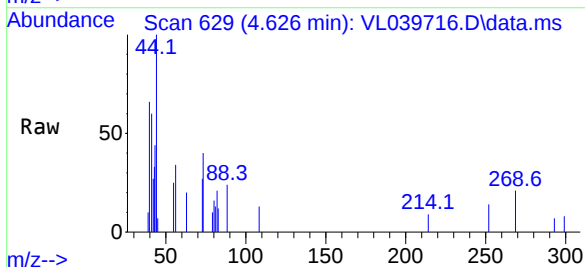
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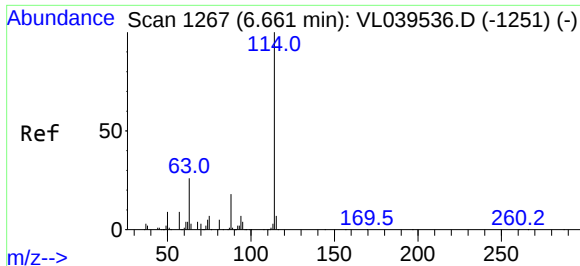
Tgt Ion: 96 Resp: 1635
Ion Ratio Lower Upper
96 100
61 165.9 130.6 195.8
98 0.0 53.4 80.0#



#23
Vinyl Acetate
Concen: 0.035 ppbv
RT: 4.626 min Scan# 629
Delta R.T. -0.012 min
Lab File: VL039716.D
Acq: 11 Oct 2022 11:23

Tgt Ion: 43 Resp: 1659
Ion Ratio Lower Upper
43 100
86 0.0 5.0 7.6#
42 100.2 7.7 11.5#
44 71.9 4.6 7.0#

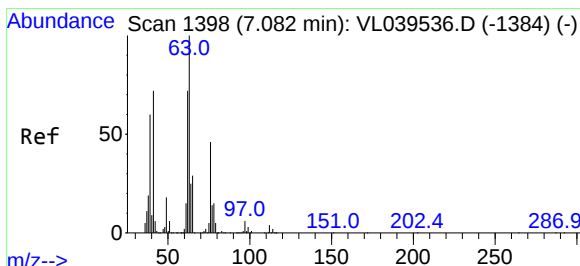
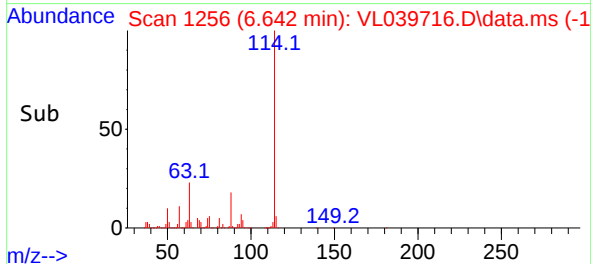
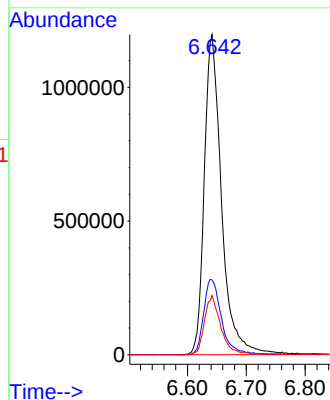
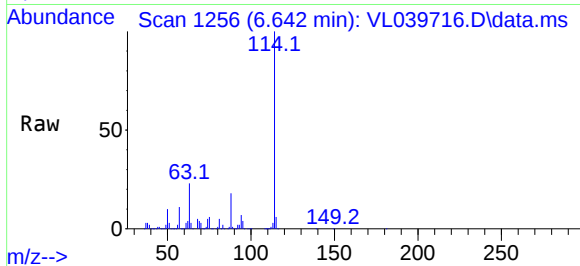




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.642 min Scan# 11
 Delta R.T. -0.019 min
 Lab File: VL039716.D
 Acq: 11 Oct 2022 11:23

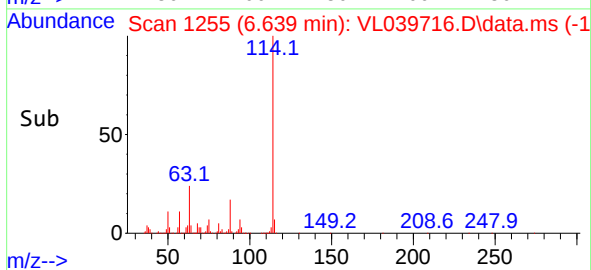
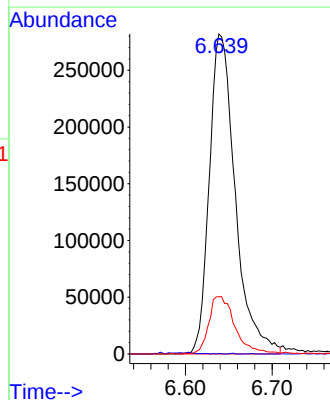
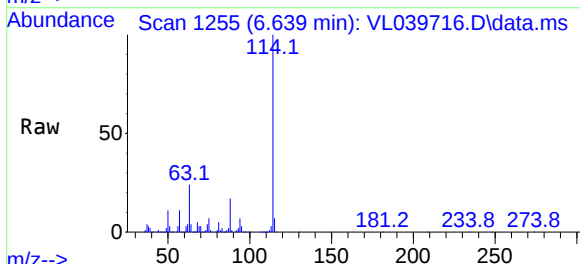
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

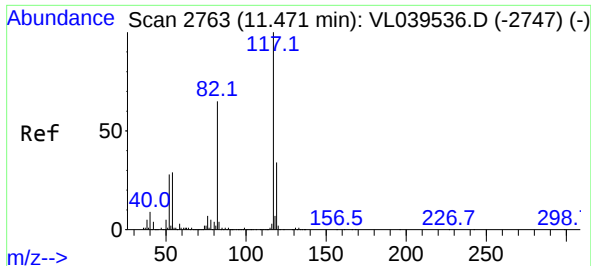
Tgt Ion:114 Resp: 2437545
 Ion Ratio Lower Upper
 114 100
 63 24.7 20.2 30.4
 88 17.7 14.5 21.7



#39
 1,2-Dichloropropane
 Concen: 8.151 ppbv
 RT: 6.639 min Scan# 1255
 Delta R.T. -0.443 min
 Lab File: VL039716.D
 Acq: 11 Oct 2022 11:23

Tgt Ion: 63 Resp: 586575
 Ion Ratio Lower Upper
 63 100
 41 0.0 59.6 89.4#
 62 17.9 51.4 77.0#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.445 min Scan# 21

Delta R.T. -0.025 min

Lab File: VL039716.D

Acq: 11 Oct 2022 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

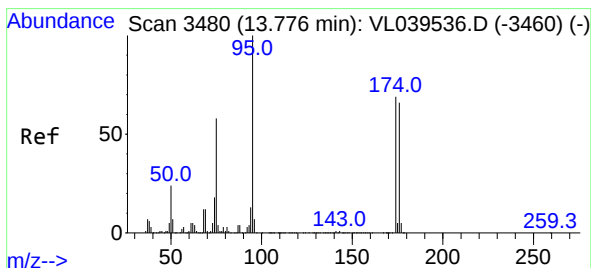
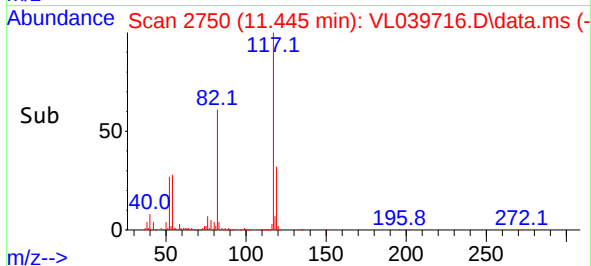
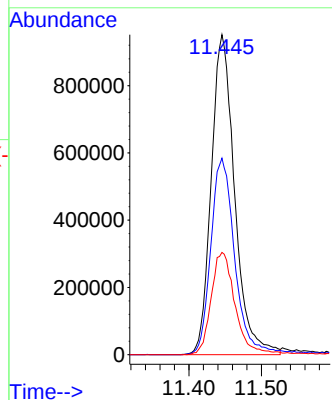
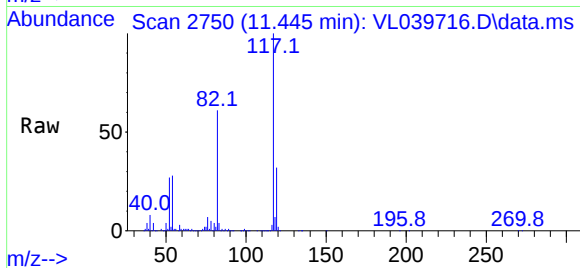
Tgt Ion:117 Resp: 2133068

Ion Ratio Lower Upper

117 100

82 64.1 50.8 76.2

119 33.4 24.1 36.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.916 ppbv

RT: 13.754 min Scan# 3468

Delta R.T. -0.022 min

Lab File: VL039716.D

Acq: 11 Oct 2022 11:23

Tgt Ion: 95 Resp: 1578959

Ion Ratio Lower Upper

95 100

174 72.6 55.9 83.9

175 5.4 4.2 6.4

